seedmatriz

Plan by Plant Agriculture

We are Seed Matriz, an agtech startup established in 2018 dedicated to developing cutting-edge technologies for extensive crop seeds.
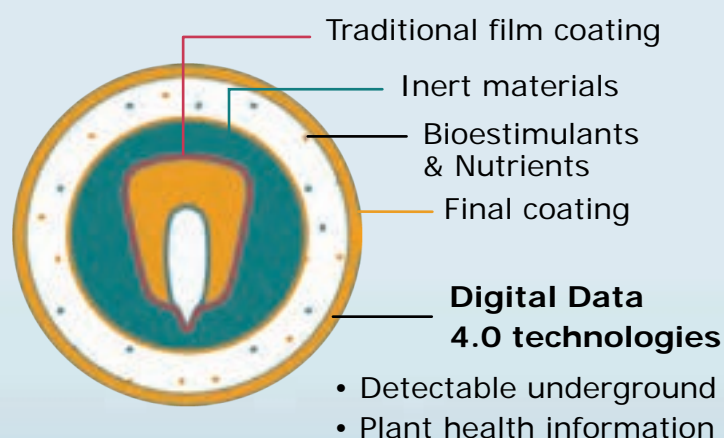
OUR ACHIEVMENTS

- Industrial seed encapsulation technology.
- On field validation in Argentina & US.
- Fundraising rounds 1 & 2.
- Arch Grants award winners.
- Patent in Argentina & US.
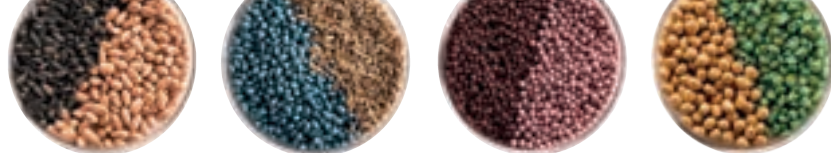- Commercial traction.
- Softlanding ST. Louis - MO.

Federico Cola
CEO & Co-founder
Agricultural Engineer

Jorge Suino
CTO & Co-founder
Electronic Engineer
& MBA

THE PROBLEM
Film coating technologies

- DON´T improve size, weight and shape of seeds.
- DON´T improve planting quality.
- DON´T allow addition of significant enhancers.
- DON'T avoid phytotoxicity dangers of mixing ingredients.
- DON´T protect seeds from low soil temperature.
- DON´T avoid dust off.
- DON´T protect for excess lack of soil moisture.
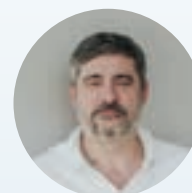- DON´T differentiate the product (commodity).

THE SOLUTION
Encapsulation Technology

Traditional film coating
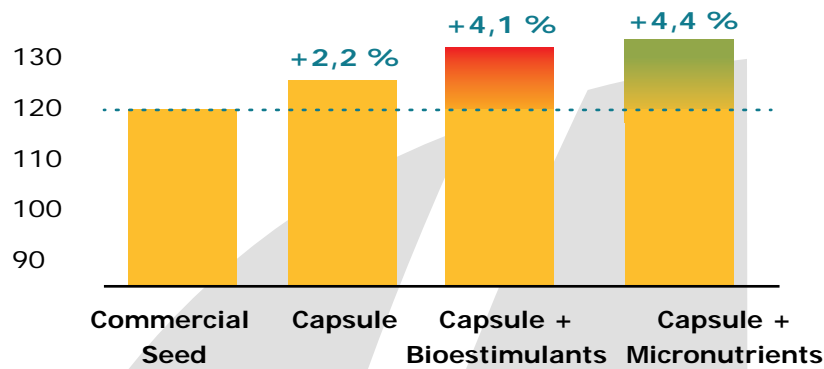Inert materials
Bioestimulants & Nutrients
Final coating

**Digital Data
4.0 technologies**
- Detectable underground
- Plant health information

Proven in Argentina & US

St. Louis, MO   contact@seedmatriz.com   seedmatriz.com

YIELD GAIN CAPSULE 2.0 Vs. CHECK

Yield (bu/ac)

- Commercial Seed
- Capsule: +2,2 %
- Capsule + Bioestimulants: +4,1 %
- Capsule + Micronutrients: +4,4 %

VALUE ADDED TO THE INDUSTRY
Seed Processing

• Improves efficiency in planting parental plants.

• Recover seeds with low weight or size.

• It provides differentiated technology.

• It is a platform to add technologies.

• Eliminates dust release.

• Extends the shelf life of seeds.

• RTU (Ready to use).

• Reduces the number of commercial sizes (Brazil – Argentina).

• Generates a new service for professional seed treaters.

VALUE ADDED TO FARMERS
Planting and crop management

• Improves the quality of planting and implantation.

• It allows more technologies to be incorporated into seeds.

• Reduces phytotoxicity from fertilizers and herbicides.

• Allows safe handling.

• Provides accurate and early information on crop health.

• Provides solutions for specific problems by seasons, regions and species.

• Generates information in real time during planting (distance and depth).

A SUPERIOR AND DISRUPTIVE TECHNOLOGY
Capsule 3.0 y 4.0

Agronomic management in real time

• Plant by Plant health remote monitoring.

Planting data in real time

• Seed detection underground in real time during planting.

Data collect

• Crop monitoring for agronomic management, marketplace, fintech.

Commercial chain expansion

• Traders, laboratories, advisors, banks, insurers, monitoring companies, among others.

- • Real time data
- • Satellites
- • Drones
- • Algorithms
- • AI (Artificial Inteligence)
- • IoT (Internet of Things)

Fundraising 2024 - 3° Round
USD 3M

Round: SAFE 18 month runway.

Application of round:
- Commercial growth (US-Brazil-Arg)
- R&D Capsule 3.0 & 4.0

OUR MAIN AGREEMENTS

UNRC · CONICET · CREA · UNL UNIVERSIDAD NACIONAL DEL LITORAL · IMPOSSIBLE · IOWA STATE UNIVERSITY · ENDEAVOR · INTA Instituto Nacional de Tecnología Agropecuaria · DONALD DANFORTH PLANT SCIENCE CENTER